

~~SECRET~~

DECLASSIFICATION DETERMINATION

I have determined, pursuant to section 142a of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security and that this information shall be declassified and removed from the category of Restricted Data:

"Fact that thorium metal is used in the radiation case of the W71 warhead."

APPROVED: *Mike A. Kean*

DISAPPROVED: _____

DATE: 1/14/2008

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW DATE: <u>1-18-08</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <u>CAOC DADC/A</u>	1. CLASSIFICATION RETAINED
NAME: <u>Robt. C. Coke HS-92</u>	2. CLASSIFICATION CHANGED TO: _____
2ND REVIEW DATE: <u>1/18/08</u>	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD <u><i>AK</i></u>	4. COORDINATE WITH: _____
NAME: _____	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): _____

~~RESTRICTED DATA~~

This document contains Restricted Data as defined by the Atomic Energy Act of 1954. Unauthorized disclosure is subject to Administrative and Criminal Sanctions.

Classified By: Robert R. Coke, HS-92

Derived From: TCG HS-92/97

~~SECRET~~

RD Annual Report 07-17-08

Restricted Data Annual Report

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Restricted Data Annual Report

Introduction

1. Reporting Requirement.

The Department of Energy's Restricted Data Annual Report is required by 10 CFR Part 1045, *Nuclear Classification and Declassification*, section 1045.19(b), which states that the Director of Classification "shall prepare a report on an annual basis on the implementation of this part."

In Parts A, B and C of this report, sections corresponding to the specific requirements in the regulations are identified in brackets.

2. Reporting Period.

This report covers the period of January 1, 2005, to September 30, 2007.

3. Report Point of Contact.

This report was prepared by the Office of Quality Management in the Office of Classification. If you have any questions concerning the contents of this report, please contact Emily Puhl at (301) 903-9048.

Restricted Data Annual Report

Part A

Program Management

1. Activities of the Openness Advisory Panel. [§1045.6]

The Openness Advisory Panel (OAP) was disbanded during Secretary Abraham's tenure. The Secretary of Energy Advisory Board, under which the OAP functioned, was disbanded by Secretary Bodman in May 2006.

2. Suggestions or Complaints Received. [§1045.7]

No suggestions or complaints concerning the implementation of the RD Program were received during the reporting period.

3. Procedural Exemptions Granted. [§1045.8]

No procedural exemptions from requirements in 10 CFR part 1045 were granted during the reporting period.

Restricted Data Annual Report

Part B

Identification of RD and FRD Information

1. Classification of RD and FRD in Previously Declassified Subject Areas. [§1045.18]

No information in a previously declassified subject area was classified as RD during the reporting period.

2. RD/FRD Classification Determinations That Depart from Presumptions in 1045.15. [§1045.19]

No RD/FRD classification determinations departed from the presumptions in 1045.15 during the reporting period.

3. RD/FRD Declassification Determinations That Depart from Presumptions in 1045.15. [§1045.19]

The following declassification determinations departed from the presumptions in 1045.15 during the reporting period:

- Gas Centrifuge:
 - Aluminum alloy and temper used in USEC, Inc. American centrifuge program was declassified on 3/27/06.
 - Length of column assembly support rod and identification and specification of lubricating oil used with the USEC, Inc. gas centrifuge was declassified on 6/13/06.
 - Unfinished rotor winding mandrel outer diameter and exact rotor tube length for the USEC, Inc. gas centrifuge was declassified on 3/8/07.
- Radiological Warfare: Select program information concerning Radiological Warfare developed between 1948 and 1954 was declassified on 8/18/06.
- W88: The following statement was declassified on 8/18/06: "That the People's Republic of China (PRC) obtained some Restricted Data information on the W88, and perhaps complete W88 design."
- Thermal Cycling Absorption Process: All remaining classified information was declassified on 3/6/07.
- Equations of State (EOS): EOS of transplutonic metal and compounds was declassified on 3/8/07.
- Test Associations [information previously Formerly Restricted Data (FRD)]
 - Swordfish as proof test for the W44 was declassified on 3/14/07.
 - Cannikin as proof test for the W71 was declassified on 3/14/07.

Restricted Data Annual Report

Part B

Identification of RD and FRD Information

4. Declassification Proposals Received. [§1045.20]

No declassification proposals were received from the public during the reporting period.

5. *Federal Register* Notices of Privately Generated RD. [§1045.21]

No notices of privately generated RD were published in the *Federal Register* during the reporting period.

Restricted Data Annual Report

Part C

Generation and Review of Documents Containing RD and FRD

1. RD Management Officials Appointed. [§1045.33]

The following RD Management Officials were appointed during the reporting period:

Rob Bledsoe, National Archives and Records Administration
Harry Cooper, Central Intelligence Agency
Louis Giles, National Security Agency
John Steinbeiss, Air Force Declassification Office

2. Training Materials Currently Available. [§1045.35(b)]

The following training materials are currently available for RD Management Officials, RD Classifiers, and individuals who have access to RD and FRD.

<u>Item</u>	<u>Intended Audience</u>
RD Management Official Orientation Materials (Notebook)	RD Management Officials
Handbook for Restricted Data Management Officials	RD Management Officials
RD Classifier Course (CD)	RD Classifiers
Recognizing Restricted Data and Formerly Restricted Data Information (30 minute VHS tape)	Persons with access to RD/FRD and RD Classifiers
RD/FRD Recognition and Records Processing Seminar (1 1/2 hour videotape - soon to be DVD)*	Persons with access to RD/FRD and RD Classifiers
Classification of Nuclear Weapons-Related Information (Power Point Presentation)	Persons with access to RD/FRD
Subject Area Indicators and Key Word List for Restricted Data and Formerly Restricted Data (booklet and CD)	Persons with access to RD/FRD
Protecting the Nation's Nuclear Information (brochure)	Persons with access to RD/FRD

Restricted Data Annual Report

Part C

Generation and Review of Documents Containing RD and FRD

3. Reviews of Other Agencies Conducted. [§1045.36(a)]

DOE conducted reviews of the RD programs at the following agencies:

Defense Threat Reduction Agency	July 7, 2005
Air Force	July 8, 2005
National Security Council	August 16, 2005
Department of Homeland Security	May 15, 2007
Federal Bureau of Investigation	September 13, 2007
Army	September 18, 2007
Department of Justice	September 26, 2007

4. RD Management Officials Meeting. [§1045.36(b)]

No meeting took place during the reporting period.

5. Classification Guidance Developed. [§1045.37]

The following classification guidance was developed during the reporting period:

- DHS/DOE Classification and UCNI Guide for Nuclear/Radiological Incident Emergency Response and Consequence Management, CG-NRI-1, 10/12/06
- DOE Classification Guide for Improvised Nuclear Devices, CG-IND-1, 10/26/06
- DOE Classification Guide for Proliferant Enrichment Technology, CG-PET-1, 7/5/07
- DOE Classification Guide for Plasma Separation Process, CG-PSP-1, 7/5/07
- Joint Doe/NRC/DOT/DHS Classification and Sensitive Unclassified Information Guide for the Transportation of Radioactive Waste to Yucca Mountain, CG-RWT-1, 8/10/07

6. Classification Challenges Received. [§1045.39]

One classification challenge was received during the reporting period.

7. Mandatory Declassification and Freedom of Information Act Review Requests and Appeals. [§1045.42]

Mandatory Declassification Reviews*

The Department received 243 requests for documents (totaling 11,860 pages) under the Mandatory Declassification Review (MDR) provisions of Executive Order 12958, as amended, "Classified National Security Information," during the reporting period. The Office of Document Reviews completed 319 reviews (totaling 14,069 pages) during the reporting period. The majority of review requests were referred from other agencies.

Restricted Data Annual Report

Part C

Generation and Review of Documents Containing RD and FRD

7. Mandatory Declassification and Freedom of Information Act Review Requests and Appeals. [§1045.42] (continued)

MDR Appeals**

The Department received 5 appeals (totaling 785 pages) concerning documents previously requested under the MDR provisions of E.O. 12958. The Office of Quality Management completed 4 appeal reviews (totaling 771 pages) during the reporting period.

Freedom of Information Act (FOIA) Reviews*

The Department received 141 requests for documents (totaling 18,344 pages) under the FOIA during the reporting period. The Office of Document Reviews completed 251 reviews (totaling 36,085 pages) during the reporting period. The majority of review requests were referred from other agencies.

FOIA Appeals**

The Department received 11 appeals (totaling 1,063 pages) concerning documents previously requested under the FOIA. The Office of Quality Management completed 14 appeal reviews (totaling 1,552 pages) during the reporting period.

*The reporting period for FOIA and MDR review data is September 1, 2006, to September 30, 2007.

**The reporting period for FOIA and MDR appeal review data is January 1, 2006, to September 30, 2007.

8. Systematic Declassification Review Activities. [§1045.43]

Review activities under the Systematic Declassification Review provisions of E.O. 12958 continued during the reporting period. These reviews were conducted at the following facilities:

- East Tennessee Technology Park
- Lawrence Livermore National Laboratory
- NNSA Service Center
- National Security Technologies, LLC
- Oak Ridge Office
- Office of Scientific and Technical Information
- Paducah Gaseous Diffusion Plant
- Portsmouth Gaseous Diffusion Plant
- Sandia Site Office
- Stoller-Navarro Joint Venture

U. S. Department of Energy
Office of Classification
Washington, DC 20585

February 6, 2008

CLASSIFICATION BULLETIN

TNP-28

DISPOSITION OF ADDITIONAL SURPLUS HIGHLY ENRICHED URANIUM (≥ 20 PERCENT ^{235}U)

I. Classification Guides Affected:

No classification guides or bulletins are affected by this classification bulletin. This bulletin will be incorporated into Section 630 of CG-MD-1, *DOE Classification Guide for the Fissile Materials Disposition Program*, dated August 1, 1996.

II. Background:

In November 2005, the Secretary of Energy declared an additional 200 metric tons of highly enriched uranium (HEU) (≥ 20 percent ^{235}U) to be surplus. The B&W Y-12 National Security Complex is preparing to disposition this material. Questions have been raised about the classification of information regarding the specific materials involved and the various disposition paths.

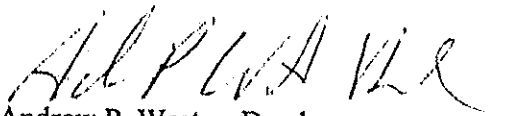
III. Topical Guidance:

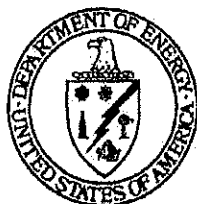
<u>Topic</u>	<u>Classification</u>
100 Total quantity of HEU (i.e., 200 metric tons [MT]); (released by Secretary of Energy in November 5, 2005, Press Release.)	U

~~OFFICIAL USE ONLY~~
May be exempt from public release under the
Freedom of Information Act (5 U.S.C. 552),
exemption number and category: 2, Circumvention
of Statute. Department of Energy review required before
public release.
Name/Org: Kang/Kun Wu, HS-92 Date: 02/06/08

~~OFFICIAL USE ONLY~~

- 200 Forms of HEU (i.e., metal, oxides, unirradiated reactor fuel, irradiated reactor fuel, miscellaneous) U
- 300 Disposition paths and quantities (i.e., 160 MT for Naval Nuclear Propulsion Program; 20 MT for research and test reactors; and 20 MT for blend down to low enriched uranium; released by Secretary of Energy in November 5, 2005, Press Release.) U


Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security



U.S. Department of Energy
Office of Classification
Washington, DC 20585

March 12, 2008

CLASSIFICATION BULLETIN

WNP-118

Declassification of a Material in a Specified Weapon

On January 14, 2008, the following information was declassified:

"Fact that thorium metal is used in the radiation case of the W71 warhead."

This bulletin will be incorporated into future changes or revisions to CG-W-5, *Joint DOE/DoD Nuclear Weapons Classification Policy Guide*, TCG-WM-1, *Joint DOE/DoD Topical Classification Guide – Materials for the Nuclear Weapon Complex*, and TCG-NAS-2, *Joint DOE/DoD Topical Classification Guide for Nuclear Assembly Systems*.

A handwritten signature in black ink, appearing to read "Andrew P. Weston-Dawkes".

Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security

~~OFFICIAL USE ONLY~~

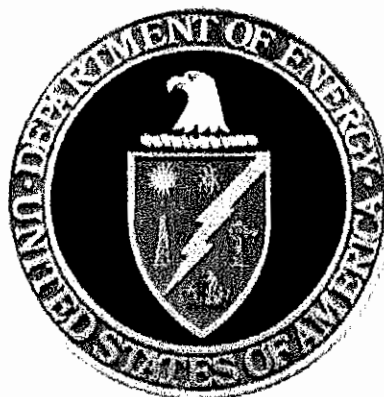
~~May be exempt from public release under the Freedom of Information Act
(5 U.S.C. 552), exemption number and category: 2, Circumvention of Statute
Department of Energy review required before public release.
Name/Org: R. Lyons / HS-92 Date: Feb. 8, 2008
Guidance: N/A~~

~~OFFICIAL USE ONLY~~

Department of Energy

Restricted Data Annual Report

March 21, 2008



Prepared by the Office of Classification

Restricted Data Annual Report

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Restricted Data Annual Report

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No procedural exemptions from requirements in 10 CFR part 1045 were granted during the reporting period.

Restricted Data Annual Report

Part B

Identification of RD and FRD Information

1. Classification of RD and FRD in Previously Declassified Subject Areas. [§1045.18]

No information in a previously declassified subject area was classified as RD during the reporting period.

2. RD/FRD Classification Determinations That Depart from Presumptions in 1045.15. [§1045.19]

No RD/FRD classification determinations departed from the presumptions in 1045.15 during the reporting period.

3. RD/FRD Declassification Determinations That Depart from Presumptions in 1045.15. [§1045.19]

The following declassification determinations departed from the presumptions in 1045.15 during the reporting period:

- Three declassifications were made in the area of gaseous centrifuge in order to reduce operational costs.
- One declassification was made in the area of radiological warfare because the information was already in the public domain.
- One declassification was made concerning the W88.
- All remaining classified information concerning the thermal cycling absorption process was declassified.
- Certain information concerning equations of state of transplutonic metal and compounds was declassified.
- Two FRD declassifications were made in the area of nuclear weapons testing.

4. Declassification Proposals Received. [§1045.20]

No declassification proposals were received from the public during the reporting period.

5. Federal Register Notices of Privately Generated RD. [§1045.21]

No notices of privately generated RD were published in the *Federal Register* during the reporting period.

Restricted Data Annual Report

Part C

Generation and Review of Documents Containing RD and FRD

1. RD Management Officials Appointed. [§1045.33]

The following RD Management Officials were appointed during the reporting period:

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Louis Giles, National Security Agency
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The following training materials are currently available for RD Management Officials, RD Classifiers, and individuals who have access to RD and FRD.

<u>Item</u>	<u>Intended Audience</u>
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Protecting the Nation's Nuclear Information (brochure)	Persons with access to RD/FRD

Restricted Data Annual Report

Part C

Generation and Review of Documents Containing RD and FRD

3. Reviews of Other Agencies Conducted. [§1045.36(a)]

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National Security Council	August 16, 2005
Department of Homeland Security	May 15, 2007
Federal Bureau of Investigation	September 13, 2007
Army	September 18, 2007
Department of Justice	September 26, 2007

4. RD Management Officials Meeting. [§1045.36(b)]

No meeting took place during the reporting period.

5. Classification Guidance Developed. [§1045.37]

The following classification guidance was developed during the reporting period:

- DHS/DOE Classification and UCNI Guide for Nuclear/Radiological Incident Emergency Response and Consequence Management, CG-NRI-1, 10/12/06
- DOE Classification Guide for Improvised Nuclear Devices, CG-IND-1, 10/26/06
- DOE Classification Guide for Proliferant Enrichment Technology, CG-PET-1, 7/5/07
- DOE Classification Guide for Plasma Separation Process, CG-PSP-1, 7/5/07
- Joint Doe/NRC/DOT/DHS Classification and Sensitive Unclassified Information Guide for the Transportation of Radioactive Waste to Yucca Mountain, CG-RWT-1, 8/10/07

The following local guides were approved by the Office of Classification during the reporting period:

- CG-LANL-DYNEX-1, Classification Guide for Dynamic Experiments (DynEx), 5/18/07
- CG-LANL-STALLION-1, Classification Guide for the Stallion Experiment, 3/30/07
- CG-LANL-TERRAZZO-1, Classification Guidance for Terrazzo, 4/12/07
- CG-LLNL-PHOENIX-1, LLNL Classification Guide for Phoenix, 8/9/06
- CG-NNSA-CAT-1, Classification Guide for Countering Accidental Transfer, 8/1/05
- CG-NNSA-CR-1, Classification Guide for the Component Removal (ALT 900) Program, 7/19/05
- CG-NNSA-NBE-1, Classification Guidance for the Phenomena of Nearby Explosions (NBE), 5/30/07
- CG-NV-DAF-1, Classification and UCNI Guide for the Nevada Test Site Device Assembly Facility, 7/31/07

Restricted Data Annual Report

Generation and Review of Documents Containing RD and FRD

Part C

5. Classification Guidance Developed (continued). [§1045.37]

- CG-SNL/CA-W87 Mod 0 (JTA4)-1, Classification Guide for the W87-0/JTA 4 Program, 10/24/07
- CG-SNL/NM-B53 (Mod 0/1)-1, B53 Mod 0/1 Classification Guide, 2/22/07
- CG-SNL/NM-B61 (Mod 11)-1, Classification Guide for the B61-11, 8/24/07
- CG-SNL/NM-B61 (Mod 3/4/10)-1, B61 Mod 3/4/10 Classification Guide, 6/7/07
- CG-SNL/NM-B61 (Mod 7)-1, Classification Guide for the B61-7, 7/25/06
- CG-SNL/NM-NG-1, Classification Guide for Neutron Generator Design and Manufacturing Information, 12/17/07
- CG-SNL/NM-W76 (Mod 0)-1, Classification Guide for the W76-0/Mk4 Nuclear Warhead/Reentry Body for the Trident Missile, 1/19/07
- CG-SNL/NM-W76 (Mod 1)-1, Classification Guide for the W76-1/Mk4A Nuclear Warhead/Reentry Body for the Trident Missile, 5/30/07
- CG-SNL/NM-W78 (JTA6)-1, Classification Guide for the W78/MK-12A JTA6 Program, 6/22/06
- CG-SNL/NM-W78-1, Classification Guide for the W78/Mk12A Nuclear Warhead/Reentry Vehicle, 8/24/07
- CG-SNL/NM-W88-1, Classification Guide for the W88/Mk5 Nuclear Warhead/Reentry Body for the Trident Missile, 9/7/07
- CG-SRS-IC51-1, SRS Tritium and Weapons Classification Guide, 1/22/07

6. Classification Challenges Received. [§1045.39]

One classification challenge was received during the reporting period.

7. Mandatory Declassification and Freedom of Information Act Review Requests and Appeals. [§1045.42]

Mandatory Declassification Reviews*

The Department received 243 requests for documents (totaling 11,860 pages) under the Mandatory Declassification Review (MDR) provisions of Executive Order 12958, as amended, "Classified National Security Information," during the reporting period. The Office of Document Reviews completed 319 reviews (totaling 14,069 pages) during the reporting period. The majority of review requests were referred from other agencies.

MDR Appeals**

The Department received 5 appeals (totaling 785 pages) concerning documents previously requested under the MDR provisions of E.O. 12958. The Office of Quality Management completed 4 appeal reviews (totaling 771 pages) during the reporting period.

Restricted Data Annual Report

Generation and Review of Documents Containing RD and FRD

Part C

7. Mandatory Declassification and Freedom of Information Act Review Requests and Appeals (continued). [§1045.42]

Freedom of Information Act (FOIA) Reviews*

The Department received 141 requests for documents (totaling 18,344 pages) under the FOIA during the reporting period. The Office of Document Reviews completed 251 reviews (totaling 36,085 pages) during the reporting period. The majority of review requests were referred from other agencies.

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*The reporting period for FOIA and MDR review data is September 1, 2006, to September 30, 2007.

**The reporting period for FOIA and MDR appeal review data is January 1, 2006, to September 30, 2007.

8. Systematic Declassification Review Activities. [§1045.43]

Review activities under the Systematic Declassification Review provisions of E.O. 12958 continued during the reporting period. These reviews were conducted at the following facilities:

- East Tennessee Technology Park
- Lawrence Livermore National Laboratory
- NNSA Service Center
- National Security Technologies, LLC
- Oak Ridge Office
- Office of Scientific and Technical Information
- Paducah Gaseous Diffusion Plant
- Portsmouth Gaseous Diffusion Plant
- Sandia Site Office
- Stoller-Navarro Joint Venture



U.S. Department of Energy
Office of Classification
Washington, DC 20585

March 21, 2008

CLASSIFICATION BULLETIN

TNP-29

DECLASSIFICATION OF MAXIMUM STORAGE CAPACITY FOR THE PROPOSED CONSOLIDATED NUCLEAR PRODUCTION CENTER

On February 8, 2008, the Deputy Chief for Operations, Office of Health, Safety and Security approved declassification of the maximum storage capacity for plutonium and highly enriched uranium in the proposed Consolidated Nuclear Production Center (CNPC).

These quantities are bounding limits needed for use in the National Environment Policy Act analyses of the proposed CNPC. Descriptions of the quantities to be stored in the proposed CNPC indicate that these quantities include significant inventories for the Naval Nuclear Propulsion Program, research reactors, and other programs.

The unclassified maximum storage capacity of the proposed Consolidated Nuclear Production Center for storage of plutonium and highly enriched uranium (≥ 20 percent ^{235}U) is:

30 metric tons plutonium
225 metric tons highly enriched uranium

A handwritten signature in black ink, appearing to read "Andrew P. Weston-Dawkes".

Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security

Puhl, Emily

From: Cooke, Bob
Sent: Friday, January 09, 2009 5:27 PM
To: Puhl, Emily
Cc: Lyons, Richard
Subject: FW: FY08 RD Annual Report Input
Attachments: RDReportTemplate.doc

Emily:

Attached is the HS-92 input that Rich Lyons has pulled together for the RD Report.

- Bob Cooke

From: Lyons, Richard
Sent: Friday, January 09, 2009 3:43 PM
To: Cooke, Bob
Cc: Grant, Johnnie; Wu, Roger
Subject: FY08 RD Annual Report Input

Bob,

Attached per your request is our (HS-92) input for the subject report being pulled together by Emily Puhl in HS-91. Do you want to forward this to Emily after your review or do you want me to send it?

Rich

Restricted Data Annual Report

Part B

Identification of RD and FRD Information

1. Classification of RD and FRD in Previously Declassified Subject Areas

No information in a previously declassified subject area was classified as RD in the reporting period.

2. RD/FRD Classification Determinations that Depart from Presumptions in 1045.15

No RD/FRD classification determinations departed from the presumptions in 1045.15 during the reporting period

3. RD/FRD Declassification Determinations that Depart from Presumptions in 1045.15

The following declassification determination departed from the presumptions in 1045.15 during the reporting period:

- One declassification was made concerning the W71 warhead

4. Declassification Proposals Received

No declassification proposals were received from the public during the reporting period.

5. *Federal Register* Notices of Privately Generated RD

No notices of privately generated RD were published in the *Federal Register* during the reporting period.

Part C

5. Classification Guidance Approved.

The following classification guidance was approved by the Office of Classification during the reporting period:

DOE Classification Guide for the USEC American Centrifuge Program, CG-ACP-2, February 5, 2008

DOE Classification Guide for Designators, Nicknames, and Codewords, CG-DNC-2, change 1, July 18, 2008

DOE Classification Guide for Intelligence Information, CG-IN-1, change 2, September 26, 2008

Joint NRC/DOE Classification Guide for Louisiana Energy Service Gas Centrifuge Plant, CG-LCP-3A, February 5, 2008

Joint NRC/DOE Classification Guide for Louisiana Energy Service Gas Centrifuge Safeguards and Security, CG-LCP-3B, February 5, 2008

DOE Classification Guide for the Fissile Materials Disposition Program, CG-MD-2, February 5, 2008

Classification Guide for a Material Protection Project, CG-MPP-2, February 5, 2008

DOE Classification Guide for Nuclear Materials Production, CG-NMP-2, change 4, July 18, 2008

Classification Guide for Highly Enriched Uranium Transparency Program, CG-TP-1, October 24, 2007

DOE Classification Guide for Uranium Atomic Vapor Laser Isotope Separation, CG-UAV-2, January 7, 2008

National Nuclear Weapons Heritage Program Classification Guide, CG-WHP-1, August 15, 2008

Classification Guide for Associations, CG-KCP-ASSOC-1, April 17, 2008

Rocky Flats Classification Guide, CG-RFP-COMP-1, February 8, 2008

Classification Guide for the W-87-0/JTA 4 Program, CG-SNL/CA-W87 Mod 0 (JTA4)-1, October 24, 2007

Classification Guide for Neutron Generator Design and Manufacturing Information, CG-SNL/NM-NG-1, December 18, 2007

Classification Guide for the Sandia Winged Energetic Reentry Vehicle, CG-SNL/NM-SWERVE-1, July 24, 2008

~~SECRET~~

DECLASSIFICATION DETERMINATION

We have determined, pursuant to section 142c of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Formerly Restricted Data:

"During the period of August 29-30, 2007, a pylon containing six advanced cruise missiles with W-80 nuclear warheads was loaded and transported by B-52 aircraft from Minot AFB, North Dakota, to Barksdale AFB, Louisiana."

W. A. Eckroade
 William A. Eckroade
 Deputy Chief of Operations
 Office of Health, Safety and Security

MAR 25 2010

Steve Henry
 Steve Henry
 Deputy Assistant to the
 Secretary of Defense (Nuclear Matters)

FEB 24 2010

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW DATE: <u>3/31/10</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <u>EO 1.1, DOE 1.1</u>	1. CLASSIFICATION RETAINED
NAMES: <u>R. C. K. K. K.</u>	2. CLASSIFICATION CHANGED TO:
2ND REVIEW DATE: <u>3/31/10</u>	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: <u>DOO</u>	4. COORDINATE WITH:
NAMES: <u>Glen D. Krc</u>	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

~~FORMERLY RESTRICTED DATA~~
 Unauthorized disclosure subject to
 Administrative and Criminal Sanctions.
 Handle as Restricted Data in Foreign
 Dissemination, Section 1.44 b, Atomic
 Energy Act of 1954.

Classified by: Robert Cooke, Weapon Team Leader
 IIS-2, DOE
 Derived From: TOG-WPMU-2, Sep 15, 2004, DOE (X)

~~SECRET~~

~~SECRET RD~~

DECLASSIFICATION DETERMINATION

I have determined, pursuant to section 142a of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Restricted Data:

Fact that beryllium may be present within the canned subassembly of an unspecified nuclear weapon. No elaboration on the chemical form, function, location, or purpose of the beryllium is allowed.

W.A. Eckroade 3/18/2010
date

William A. Eckroade
Deputy Chief for Operations
Office of Health, Safety and Security

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW DATE: <u>3/24/10</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <u>DOE OADG 100</u>	1. CLASSIFICATION RETAINED
NAME: <u>Glen D. Riecke</u>	2. CLASSIFICATION CHANGED TO:
2ND REVIEW DATE:	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: <u>Robert Cooke</u>	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

~~SECRET RD~~



U.S. Department of Energy
Office of Classification
Washington, DC 20585

March 29, 2010

CLASSIFICATION BULLETIN

WNP-127

Use of Beryllium

The following information concerning the use of beryllium in nuclear weapons was declassified on March 18, 2010, by William Eckroade, Deputy Chief for Operations, Office of Health Safety and Security:

Fact the beryllium may be present within the canned subassembly of an unspecified nuclear weapon. No elaboration on the chemical form, function, location, or purpose of the beryllium is allowed.

This bulletin will be incorporated in the next revision to TCG-WM-1, *Joint DOE/DoD Topical Classification Guide - Materials for the Nuclear Weapons Complex* and TCG-NAS-2, *Joint DOE/DoD Topical Classification Guide for Nuclear Assembly Systems*.

Nicholas D. Dawkes, Acting Director
for Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security

~~OFFICIAL USE ONLY~~

May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552), exemption number and category: A Circumvention of Statute
Department of Energy review required before public release
Name/Org: R. Cooke, HS-92 DOE Date: Mar 23, 2010
Guidance (if applicable): N/A

~~OFFICIAL USE ONLY~~

Restricted Data Annual Report

Part B

Identification of RD and FRD Information

1. Classification of RD and FRD in Previously Declassified Subject Areas

No information in a previously declassified subject area was classified as RD in the reporting period.

2. RD/FRD Classification Determinations that Depart from Presumptions in 1045.15

No RD/FRD classification determinations departed from the presumptions in 1045.15 during the reporting period.

3. RD/FRD Declassification Determinations that Depart from Presumptions in 1045.15

The following declassification determination departed from the presumptions in 1045.15 during the reporting period:

- One declassification (March 2010) was made concerning the presence of beryllium in the canned subassembly of an unspecified nuclear weapon
- One declassification (April 2010) was made concerning the following statement about a tactical ferry incident: "During the period of August 29-30, 2007 a pylon containing six advanced cruise missiles with W-80 nuclear warheads was loaded and transported by B-52 aircraft from Minot AFB, North Dakota, to Barksdale AFB, Louisiana."
- One declassification (May 2010) was made concerning the total size of the U.S. nuclear stockpile as of the end of each fiscal year through September 30, 2009; the number of nuclear weapons dismantled annually for disposal as of the end of each fiscal year through September 30, 2009; and the fact that the number of U.S. non-strategic nuclear weapons declined by approximately 90 percent from September 30, 1991 to September 30, 2009.
- One declassification (August 2010) was made concerning manufacturing technology of commercial inorganic membranes: "Fact that commercial inorganic membranes are extruded and length, outer diameter, and thickness of commercial membranes. No elaboration on the details of the extrusion process is allowed."

4. Declassification Proposals Received

No declassification proposals were received from the public during the reporting period.

5. Federal Register Notices of Privately Generated RD

No notices of privately generated RD were published in the *Federal Register* during the reporting period.

Part C Generation and Review of Documents Containing RD and FRD

5. Classification Guidance Approved.

The following classification guidance was approved by the Office of Classification during the reporting period:

CG-US/UK-NUC-1, Joint US/UK Classification Guide for Nuclear Weapons, October 22, 2008

TCG-UC-3, Change 4, Joint DOE/DoD Topical Classification Guide for Nuclear Weapon Use Control, December 8, 2008

WNP-121, Extended Protected Volume, December 30, 2008

TCG-VH-2, Joint DOE/DoD Topical Classification Guide for Vulnerability and Hardening, February 3, 2009

TCG-BTS-2, Change 2, Joint DOE/DoD Topical Classification Guide for Boosting and Transfer Systems, May 15, 2009

WNP-123, Nicknames – Caretta, Keid, and Beck, June 4, 2009

CG-LANL-COMP-1, Guide to Classification of Technical Information, August 6, 2009

CG-ACP-2, Change 1, DOE Classification Guide for the USEC American Centrifuge Program, August 21, 2009

CG-SNL/NM-DOI-1, Direct Optical Initiation Optical Firing Set Systems Classification Guide, August 21, 2009

CG-SNL/NM-MET-1, MCCS Encryption Translator (MET) System Classification Guide, August 21, 2009

CG-RDD-1, Joint DOE/DHS/NRC Classification Guide for Radiological Dispersal Devices, September 21, 2009

CG-SNL/NM-T1565A-1, T1565A Headquarters Code Processor Classification Guide, September 24, 2009

CG-SSP-1 Recession, Change 2, Topics Retained from the Stockpile Stewardship Program, October 7, 2009

WNP-125, Nicknames – Arete, Cashew, Pignola, and Sloeberry, October 7, 2009

CG-SNL/CA-HEATHER-1, Classification Guide for Heather Device, October 23, 2009

CG-DNES-2, Joint DOE/DoD Classification Guide for Directed Nuclear Energy Systems, October 30, 2009

CG-HPRF-2, Classification Guide for High Power Radio Frequency (HPRF) Program, November 17, 2009

TCG-WMPU-2, Change 2, Joint DOE/DoD Topical Classification Guide for Weapon Production and Military Use, November 19, 2009

WNP-124, Nicknames – Calistoga, Rushmore, Searchlight, Sixto, and Togo, December 8, 2009

CG-GEP-1, Joint NRC/DOE Classification Guide for General Electric Procurement Activities, December 10, 2009

CG-W-4, Recession, Change 1, Topics Retained from the Joint DOE/DoD Nuclear Weapon Classification Guide, February 22, 2010

WNP-127, Use of Beryllium, March 29, 2010

CG-SGT-2, Classification and UCNI Guide for Safeguards Transporter, March 30, 2010

CG-SNL/NM-SSRS-1, STRATCOM Secure Recode System Classification Guide, April 12, 2010

CG-SNL/CA-W80 (Mod 0/1)-1, W80 Mod 0/1 Nuclear Warhead Classification Guide, April 20, 2010

TNP-119, Nicknames – Abyss, Brash, Rigatoni, and Toto, April 23, 2010

CG-RC-2, Classification Guide for Non-U.S. Reactor Conversion Studies, April 23, 2010

TCG-DS-2, Joint DOE/DoD Topical Classification Guide for Detonation Systems, April 23, 2010

CG-LCP-4A, Joint NRC/DOE Classification and Official Use Only Guide for Louisiana Energy Services Gas Centrifuge Plant, June 28, 2010

CG-SNL/NM-PVTD-1, Protected Volume Technology Development (PVTD) Project Classification Guide, June 30, 2010

TNP-37, Supplementary Guidance for the Graded Security Protection Police, August 9, 2010.

WNP-129, Nicknames – Clipboard, Gonzales, Leatherback, and Sailyard, August 26, 2010

CG-SAP-1, Classification Guide for Special Access Programs, September 15, 2010

CG-SS-4A, Change 2, Annex to Classification and UCNI Guide for Safeguards and Security Information, September 16, 2010

6. Classification Challenges Received. [§1045.39]

No classification challenges were received during the reporting period.



U.S. Department of Energy
Office of Classification
Washington, DC 20585

April 6, 2010

CLASSIFICATION BULLETIN

WNP-126

Tactical Ferry Incident of August 29-30, 2007 (U)

The following statement has been declassified pursuant to section 142c of the Atomic Energy Act of 1954 jointly by the United States Department of Defense and the United States Department of Energy:

"During the period of August 29-30, 2007, a pylon containing six advanced cruise missiles with W-80 nuclear warheads was loaded and transported by B-52 aircraft from Minot AFB, North Dakota, to Barksdale AFB, Louisiana."

This factual statement will be incorporated into the next change to TCG-WPMU-2.

A handwritten signature in black ink, appearing to read "APW", is positioned above the printed name of the official.

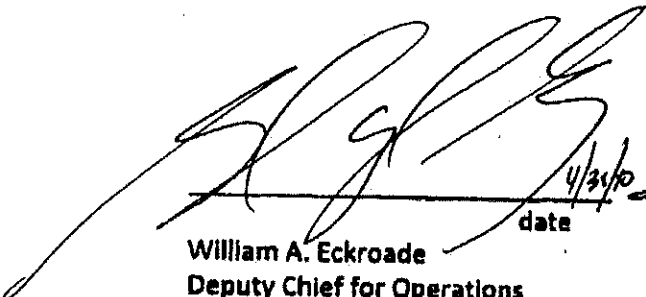
Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security

UNCLASSIFIED

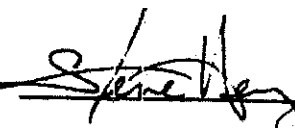
DECLASSIFICATION DETERMINATION

We have determined, pursuant to section 142c of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Formerly Restricted Data:

- The total size of the U.S. nuclear stockpile as of September 30 for each year through 2009;
- The number of weapons dismantled annually for disposal as of September 30 for each year through 2009; and
- The fact that the number of U.S. non-strategic nuclear weapons declined by approximately 90 percent from September 30, 1991, to September 30, 2009.



4/31/10 date
William A. Eckroade
Deputy Chief for Operations
Office of Health, Safety and Security



30 April 2016 date
Steve Henry
Deputy Assistant to the
Secretary of Defense (Nuclear Matters)

UNCLASSIFIED

~~CONFIDENTIAL RD~~

DECLASSIFICATION DETERMINATION

I have determined, pursuant to section 142a of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Restricted Data:

Fact that commercial inorganic membranes are extruded and length, outer diameter, and thickness of commercial membranes.
No elaboration on the details of the extrusion process is allowed.

W. A. Eckroade 8/2/10
date

William A. Eckroade
Deputy Chief for Operations
Office of Health, Safety and Security

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. REVIEW DATE: 6-21-11	DETERMINATION (ICRCL NUMBER(S))
AUTHORITY: OGC, ETO	1. CLASSIFICATION REMAINED
NAME: Tracy O'Boyle	2. CLASSIFICATION CHANGED TO:
3. REVIEW DATE: 6-21-11	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: R. Clark	4. COORDINATE WITH:
NAME: R. Clark	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO ORIGINATED
	7. OTHER (SPECIFY):

~~CONFIDENTIAL RD~~

~~SECRET//NOFORN//NF~~**UNCLASSIFIED****DECLASSIFICATION DETERMINATION**

We have determined, pursuant to section 142 c, of the Atomic Energy Action of 1954, that the following information can be declassified and released to the public without undue risk to the common defense and security of the United States:

- The B61 nuclear bomb is deployed to the North Atlantic Treaty Organization (NATO). The fact that the B61 bomb is in any specific NATO country remains classified, unless that country agrees to declassification of that information.

W. A. Eckroade 4/8/2011
(date)

William A. Eckroade
Deputy Chief for Operation
Office of Health, Safety and Security
Department of Energy

Steve Henry 2/23/11
(date)

Steve Henry
Deputy Assistant to the Secretary of
Defense (Nuclear Matters)
Department of Defense

UNCLASSIFIED~~SECRET//NOFORN//NF~~



U.S. Department of Energy
Office of Classification
Washington, DC 20585

May 24, 2011

CLASSIFICATION BULLETIN

WNP-137

Declassification of U.S. Nuclear Weapon in NATO (U)

On April 8, 2011, the following statement was declassified pursuant to section 142c of the Atomic Energy Act of 1954 jointly by the United States Department of Defense and the United States Department of Energy:

"The B61 nuclear bomb is deployed to the North Atlantic Treaty Organization (NATO). The fact that the B61 bomb is in any specific country remains classified, unless that country agrees to declassification of that information."

This declassification will be incorporated into the next change to the Joint DOE/DoD Topical Classification Guide for Weapon Production and Military Use.

A handwritten signature in black ink, appearing to read "Andrew P. Weston-Dawkes".

Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security



U.S. Department of Energy
Office of Classification
Washington, DC 20585

June 15, 2011

CLASSIFICATION BULLETIN

WNP-138

Stockpile Numbers in Support of New START

New START was ratified by the United States Senate in December 2010 and signed by the President on February 2, 2011. The treaty directs the United States and Russia to exchange information on the aggregate total numbers of warheads on deployed ICBMs, deployed SLBMs, and nuclear warheads counted for deployed heavy bombers. Article VII of New START specifies that this information is to be released to the public.

Consequently, the current classification guidance in the *Joint DOE/DoD Topical Classification Guide for Weapon Production and Military Use*, TCG-WPMU-2 is being expanded to apply to any aggregate total of actual deployed strategic nuclear warheads. This will encompass applications to the Treaty of Moscow and to New START as well as future arms control treaties in this area.

Topic 1323.2.4 of TCG-WPMU-2 will be changed to read:

"Any aggregate total of actual deployed strategic nuclear warheads derived from current authoritative histories of such deployments with no sub-aggregation.

Unclassified

NOTE: This supports information exchange and public release of information for the purpose of reporting progress pursuant to U.S. arms control obligations. No further elaboration or sub-categorizations are allowed at the unclassified level."

This change is effective immediately and will be incorporated in the next revision of TCG-WPMU-2.

Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security

OFFICIAL USE ONLY

May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552), exemption number and category: 7 Law Enforcement
Department of Energy review required before public release
Name/Org: R. Cooke, HS-03 Date: Aug 4, 09

OFFICIAL USE ONLY



Department of Energy
Washington, DC 20585

MEMORANDUM FOR WILLIAM A. ECKROADE
DEPUTY CHIEF FOR OPERATIONS
OFFICE OF HEALTH, SAFETY AND SECURITY

FROM: *APD PWA*
ANDREW P. WESTON-DAWKES
DIRECTOR
OFFICE OF CLASSIFICATION
OFFICE OF HEALTH, SAFETY AND SECURITY

SUBJECT: Public Release of Restricted Data Annual Reports to OpenNet

Title 10 Code of Federal Regulations Part 1045, *Nuclear Classification and Declassification*, at section 1045.19(b), requires the Director of Classification to prepare a report on the implementation of part 1045 on an annual basis. This report is an unclassified evaluation of the implementation of the Department of Energy's (DOE) Restricted Data program. It is required to be available to any interested person upon request.

In the spirit of openness and transparency, I am requesting approval to place all Restricted Data Annual Reports that have been completed to date on DOE's OpenNet, which is a repository of unclassified and declassified documents available for the public. The latest three reports, covering Fiscal Years 2008 to 2010, are attached to provide you with examples of the annual reports and their contents.

I recommend that you approve the above request.

DECISION:

Concur:

Non-concur:

Date:

[Signature]

8/1/11

Attachment



Printed with soy ink on recycled paper

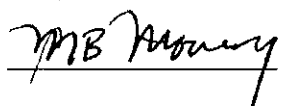
UNCLASSIFIED

Attachment 5

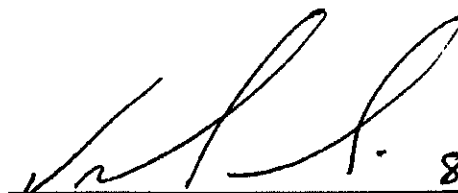
DECLASSIFICATION DETERMINATION

We have determined, pursuant to Section 142.c. of the Atomic Energy Act of 1954, that the following information be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Formerly Restricted Data:

- The total number of nuclear weapons afloat for each fiscal year from FY 1953 through FY 1991 and region from FY 1961 through 1991
- The total number of nuclear weapons afloat for each fiscal year by region from FY 1961 through 1991

 2/12/15
Date

Matthew B. Moury
Associate Under Secretary
Office of Environment, Health, Safety and
Security

 8/13/14
Date

Vahid Majidi, Ph.D.
Deputy Assistant Secretary of Defense
(Nuclear Matters)
Department of Defense

UNCLASSIFIED

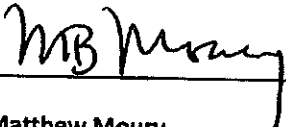
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Attachment 4


DECLASSIFICATION DETERMINATION (U)

We have determined, pursuant to section 142c of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Formerly Restricted Data:

1. *Delivery system and warhead number for nuclear weapon test John;*
2. *Delivery system, warhead number, and purpose (i.e., systems proof test) of nuclear weapon test Frigate Bird; and*
3. *Yield of nuclear weapon tests Argus I, II, and III*

 2/12/15
date

Matthew Moury
Acting Associate Under Secretary
Office of Environment, Health, Safety and
Security

 11/4/14
date

Vahid Majidi
Deputy Assistant Secretary of Defense
(Nuclear Matters)

UNCLASSIFIED

SECRET

Attachment 4

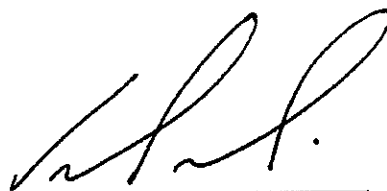
DECLASSIFICATION DETERMINATION (U)

We have determined, pursuant to section 142c of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Formerly Restricted Data:

1. *The fact that the "Archie" radar used for the Mk II "Little Boy," "Fat Man", Mk III nuclear bomb, and Mk4 nuclear bomb, was the APS-13 "Tail Gun Charlie" radar in essentially unmodified form;*
2. *The design of the "Archie" radar;*
3. *External physical characteristics of the external Yagi-U do antennas used on nuclear weapons designed and constructed by the United States having such antennas (i.e., Mk II "Little Boy", "Fat Man," and Mk III nuclear bombs), including war reserve weapons, test devices, ballistic shapes, and mockups; and*
4. *The radio frequencies of the Mk II "Little Boy," "Fat Man," Mk III nuclear bomb, and Mk 4 nuclear bomb radars.*

 2/12/15
date

Matthew Moury
Associate Under Secretary
Office of Environment, Health, Safety and
Security

 11/4/14
date

Vahid Majidi, Ph. D.
Deputy Assistant Secretary of Defense
(Nuclear Matters)

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1 st Review Date: <u>2/20/2015</u>	DETERMINATION (CIRCLE NUMBER(S)) 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: 5. CLASSIFICATION CANCELED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY):
Authority: <input checked="" type="checkbox"/> DC <input type="checkbox"/> DD	
Name: <u>Rich Lyons, Gen Engr</u>	
2 nd Review Date: <u>2/20/2015</u>	
Authority: <u>DD</u>	
Name: <u>Johnnie Grant, Wpns Tm Ldr</u>	

FORMERLY RESTRICTED DATA
~~Unauthorized disclosure subject to~~
~~Administrative and Criminal Sanctions.~~
~~Handle as Restricted Data in Foreign~~
~~Dissemination. Section 144.b, Atomic~~
~~Energy Act of 1954.~~

~~Classified By: Glen D. Kro, Gen. Engr., AU 62~~

~~Derived From: TCG-SAFF-2, 7/12/2005: DOE/QG~~

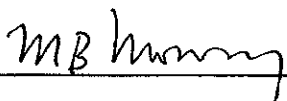
SECRET

Attachment 3

UNCLASSIFIED
DECLASSIFICATION DETERMINATION

We have determined, pursuant to Section 142c of the Atomic Energy Act of 1954, that the following information be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Formerly Restricted Data:

- The total size of the U.S. nuclear stockpile as of September 30, 2014;
- The number of weapons dismantled for disposal as of September 30, 2014.

 4/10/15
Date

Matthew Moury
Associate Under Secretary
Office of Environment, Health, Safety and
Security

 4/12/2015
Date

Vahid Majidi, Ph. D.
Deputy Assistant Secretary of Defense
(Nuclear Matters)

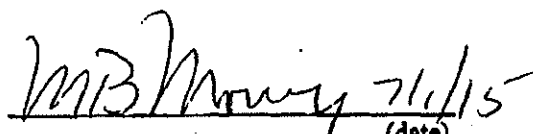
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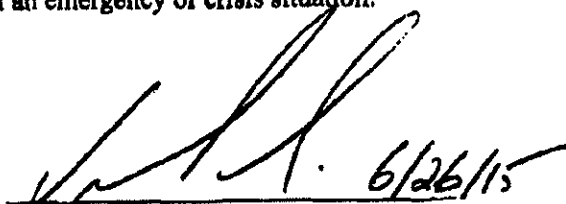
DECLASSIFICATION DETERMINATION

We have determined, pursuant to section 142 c. of the Atomic Energy Act of 1954, that the following information can be declassified and released to the public without undue risk to the common defense and security of the United States:

- 1) The fact that U.S. nuclear weapons were deployed on Okinawa prior to Okinawa's reversion to Japan on May 15, 1972.
- 2) Any reference to the simple presence of U.S. nuclear weapons on Okinawa prior to reversion is considered an approved exception to the worldwide neither-confirm-nor-deny policy concerning the presence or absence of U.S. nuclear weapons in a specific location abroad.
- 3) The fact that prior to the reversion of Okinawa back to Japan that the U.S. Government conducted internal discussions, and discussions with Japanese government officials regarding the possible re-introduction of nuclear weapons onto Okinawa in the event of an emergency or crisis situation.


(date)

Matthew Moury
Associate Under Secretary
Office of Environment, Health, Safety and
Security
Department of Energy


(date)

Vahid Majidi, Ph.D.
Deputy Assistant Secretary of Defense
(Nuclear Matters)
Department of Defense

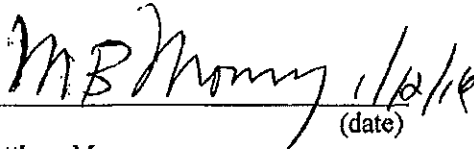
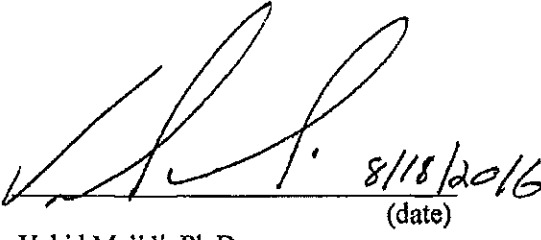
UNCLASSIFIED

UNCLASSIFIED

DECLASSIFICATION DETERMINATION

We have determined, pursuant to section 142 c. of the Atomic Energy Act of 1954, that the following information can be declassified and released to the public without undue risk to the common defense and security of the United States:

Fact that a specified nuclear weapon does or does not have a rapidly-selectable yield or dial-a-yield capability with no elaboration as to the number of selectable yields

 (date)	 (date)
Matthew Moury Associate Under Secretary Office of Environment, Health, Safety and Security Department of Energy	Vahid Majidi, Ph.D. Deputy Assistant Secretary of Defense (Nuclear Matters) Department of Defense

UNCLASSIFIED

UNCLASSIFIED**DECLASSIFICATION DETERMINATION**

We have determined, pursuant to section 142c of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Formerly Restricted Data:

- The total size of the U.S. nuclear stockpile as of September 30, 2015
- The number of weapons dismantled for disposal as of September 30, 2015

MB/Moury 3/13/16

Date

Matthew Moury
Associate Under Secretary
Office of Environment, Health, Safety and
Security
Department of Energy

V. Majidi 2/9/2016

Date

Vahid Majidi, Ph.D.
Deputy Assistant Secretary of Defense
(Nuclear Matters)
Department of Defense


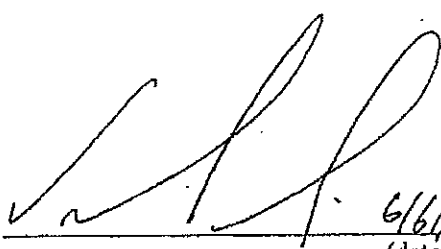
UNCLASSIFIED

UNCLASSIFIED

DECLASSIFICATION DETERMINATION

We have determined, pursuant to section 142 c. of the Atomic Energy Act of 1954, that the following information can be declassified and released to the public without undue risk to the common defense and security of the United States:

The fact that any specified retired weapon was at a former (now closed) nuclear weapon storage location or former (now closed) operational location (e.g. Nike site, bomber bases, etc.) within the United States, its possessions and territories.

 8/12/16 (date)	 6/6/16 (date)
Matthew Moury Associate Under Secretary Office of Environment, Health, Safety and Security Department of Energy	Vahid Majidi, Ph.D. Deputy Assistant Secretary of Defense (Nuclear Matters) Department of Defense

UNCLASSIFIED

NATIONAL SECURITY INFORMATION DECLASSIFICATION DECISION

I have determined, pursuant to my authority described in DOE Order 475.2A, that the following information can be disclosed without damaging national security. Therefore, it shall be declassified:

The identification of a specific country, site, or route that was, is, or will be assessed by the Nuclear Material Inventory Program, unless knowledge of the existence of nuclear material in that country, of the site, or of the route is based on an intelligence source, classified diplomatic reporting, or bilateral agreement.

APPROVED: *ALPWA*

DISAPPROVED: _____

DATE: 7/21/2016

DOES NOT CONTAIN
OFFICIAL USE ONLY INFORMATION

Name / Org.: Scott McFadden / AU-61 Date: 3/27/2017

~~OFFICIAL USE ONLY~~

~~May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552), exemption number and category: 7, Law Enforcement.~~

~~Department of Energy approval required prior to public release~~

~~Name/Org: Greg Gannon, AU-62~~

~~Date: 3/4/16~~

~~Guidance (if applicable): N/A~~

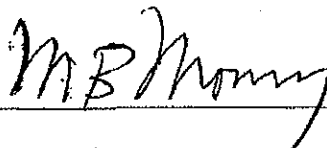
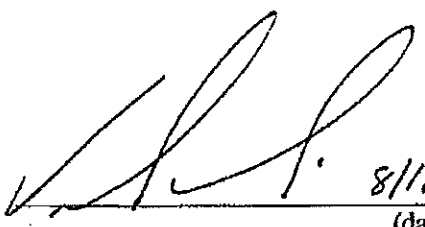
~~OFFICIAL USE ONLY~~

UNCLASSIFIED

DECLASSIFICATION DETERMINATION

We have determined, pursuant to section 142 c. of the Atomic Energy Act of 1954, that the following information can be declassified and released to the public without undue risk to the common defense and security of the United States:

Fact that a specified nuclear weapon does or does not have a rapidly-selectable yield or dial-a-yield capability with no elaboration as to the number of selectable yields

 (date)	 (date)
Matthew Moury Associate Under Secretary Office of Environment, Health, Safety and Security Department of Energy	Vahid Majidi, Ph.D. Deputy Assistant Secretary of Defense (Nuclear Matters) Department of Defense

UNCLASSIFIED

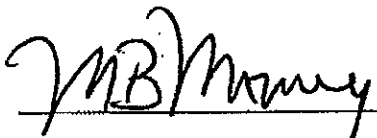
UNCLASSIFIED

Attachment 6

DECLASSIFICATION DETERMINATION (U)

I have determined, pursuant to section 142c of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Restricted Data:

Getter nickel plating thickness, permeation barrier, and associated fabrication parameters for the high-temperature light water reactor (LWR) Tritium-Producing Burnable Absorber Rod (TPBAR).

 8/29/16
Date

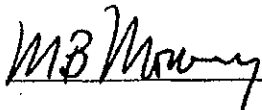
Matthew Moury
Associate Under Secretary
Office of Environment, Health, Safety and
Security

UNCLASSIFIED

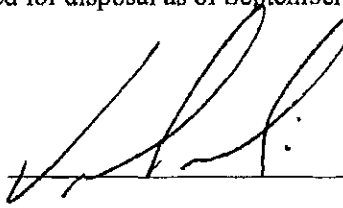
JOINT DECLASSIFICATION DETERMINATION

We have determined, pursuant to section 142 c. of the Atomic Energy Act of 1954, that the following information can be declassified and released to the public without undue risk to the common defense and security of the United States:

- The total size of the U.S. nuclear stockpile as of September 30, 2016
- The number of weapons dismantled for disposal as of September 30, 2016

 1/10/17
(date)

Matthew Moury
Associate Under Secretary
Office of Environment, Health, Safety and
Security
Department of Energy

 10/13/2016
(date)

Vahid Majidi, Ph.D.
Deputy Assistant Secretary of Defense
(Nuclear Matters)
Department of Defense

UNCLASSIFIED

Official Use Only

SECRET

Attachment 4

(U) Declassification Determination

I have determined, pursuant to section 142c of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Restricted Data:

- Fact that approximately 25MT of Highly Enriched Uranium will be made available for down blending to Low Enriched Uranium and allocated to the Tennessee Valley Authority for use in the production of Tritium.
- Fact that up to 25 MT of Highly Enriched Uranium may come from the National Security inventory.
- Fact that approximately 1.6 MT of Highly Enriched Uranium will come from the 2005 excess material declaration or from other surplus materials.
- The isotopic make-up of the material identified for down-blend in the National Security inventory.
- The net weight, elemental form, elemental weight, isotopic weight, average assay, oxide type, and/or any breakdown of these categories of the material identified for down-blend in the National Security inventory.

Andrew C. Lawrence
 Andrew C. Lawrence
 Acting Associate Under Secretary for
 Environment, Health, Safety and Security

10/19/17

Date

OFFICIAL USE ONLY

May be exempt from public release under the Freedom of Information Act (5-U.S.C. 552),
 exemption number and Category: Exemption 5, Privileged Information
 Department of Energy Review required before public release:
 Name/Org: Kyle Fowler, MA-195 Date: 3/29/18
 Guidance (if applicable): N/A

**DOES NOT CONTAIN
 OFFICIAL USE ONLY INFORMATION**

Name/Org.: Charles Lukis, MA-46 Date: 4/18/2018

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1 st Review Date: <u>3/28/18</u>	DETERMINATION (CIRCLE NUMBER(S)) 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: 5. CLASSIFICATION CANCELED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY):
Authority: <input type="checkbox"/> DC <input checked="" type="checkbox"/> DD Name: <u>Troy O'Baker</u>	
2 nd Review Date: <u>3/28/18</u>	
Authority: <u>DD</u> Name: <u>Tom Candler</u>	

RESTRICTED DATA

This document contains Restricted Data as defined in the Atomic Energy Act of 1954, as amended. Unauthorized disclosure is subject to Administrative and Criminal Sanctions.

Classified by: Troy O'Baker, Physical Scientist, DOE, AU-62
 Derived from: CG-NMP-2, 9/2003, DOE-OC

SECRET

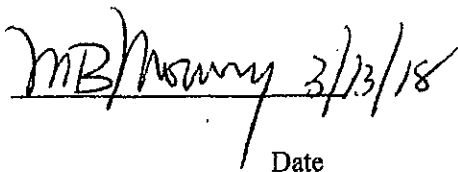
Official Use Only

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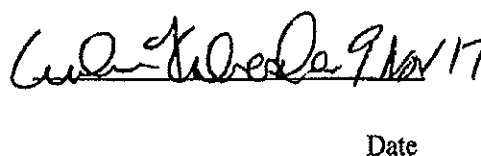
DECLASSIFICATION DETERMINATION

We have determined, pursuant to section 142c of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Formerly Restricted Data:

- The total size of the U.S. nuclear stockpile as of September 30, 2017
- The number of weapons dismantled for disposal as of September 30, 2017

 3/13/18
Date

Matthew Moury
Associate Under Secretary
Office of Environment, Health, Safety and
Security
Department of Energy

 9/11/17
Date

Michael Kuliasha, Ph.D.
Deputy Assistant Secretary of
Defense (Nuclear Matters)

UNCLASSIFIED